

SECTION 08265 - WOOD-FRAMED GLASS DOORS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes factory-finished, interior, wood-framed glass doors (French doors).

1.3 PERFORMANCE REQUIREMENTS

- A. General: Provide wood-framed glass doors capable of complying with performance requirements indicated based on testing manufacturer's doors representative of those specified, complying with NWWDA I.S. 3 for test sizes.
- B. Operating Force: Meet ADA requirements, when tested according to NWWDA I.S. 3, Operating Force Test.

1.4 SUBMITTALS

- A. Product Data: For each type of wood-framed glass door indicated, including the following:
 - 1. Construction details and fabrication methods.
 - 2. Profiles and dimensions of individual components.
 - 3. Data on hardware, accessories, and finishes.
 - 4. Recommendations for maintaining and cleaning exposed surfaces.



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- B. Shop Drawings: For each type of wood-framed glass door indicated, include information not fully detailed in manufacturer's standard Product Data and the following:
1. Fabrication, layout, and installation details, including anchors.
 2. Typical door elevations.
 3. Details of typical composite members, including reinforcement.
 4. Hardware.
 5. Glazing details.
 6. Accessories.
- C. Samples for Verification: Owner reserves the right to require additional Samples that show fabrication techniques, workmanship, and design of glass door, hardware, and accessories.
- D. Product Test Reports: From a qualified testing agency indicating that type, grade, and size of glass door complies with requirements, based on comprehensive testing of current products within the last four years.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer who has completed wood-framed glass door installations similar in material, design, and extent to those indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
- B. Manufacturer Qualifications: A firm whose wood-framed glass doors have been certified under NWWDA's "Hallmark Program" for patio doors.
- C. Source Limitations: Obtain wood-framed glass doors through one source from a single manufacturer.
- D. Product Options: Drawings indicate size, profiles, dimensional requirements, and aesthetic effects of wood-framed glass doors, and are based on the specific doors indicated. Other manufacturers' products with equal performance characteristics may be considered provided deviations in size, profile, and di-



mensions are minor and do not alter the aesthetic effect. Refer to Division 1 Section "Substitutions."

- E. Safety Glass: Category II materials complying with testing requirements in 16 CFR 1201 and ANSI Z97.1.
 - 1. Subject to compliance with requirements, permanently mark safety glass with certification label of Safety Glazing Certification Council or another certification agency acceptable to authorities having jurisdiction.
- F. Glazing Publications: Comply with written recommendations of glass manufacturers and GANA's "Glazing Manual," unless more stringent requirements are indicated.

1.6 PROJECT CONDITIONS

- A. Measurements: Verify wood-framed glass door openings before fabrication and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

1.7 WARRANTY

- A. Warranty: Manufacturer's standard written warranty, executed by manufacturer agreeing to repair or replace components of wood-framed glass doors that fail in materials or workmanship within specified warranty period. Failures include, but are not limited to:
 - 1. Faulty operation of movable panels and hardware.
 - 2. Deterioration of metals, finishes, and other materials beyond normal use.
 - 3. Warranty Period for Glass: Five years from date of Substantial Completion.

PART 2 - PRODUCTS



2.1 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to:
 - 1. Wood-Framed Glass Doors:
 - a. Marvin Windows & Doors.
 - b. Pella Corp.
 - c. Pozzi Window Co.; a Jeld-Wen Company.
 - d. Weather Shield Manufacturing, Inc.

2.2 MATERIALS

- A. Wood: Clear ponderosa pine or another suitable fine-grained lumber; kiln-dried to a moisture content of 6 to 12 percent at time of fabrication; free of visible finger joints, blue stain, knots, pitch pockets, and surface checks larger than **1/32 inch (1 mm)** deep by **2 inches (50 mm)** wide.
 - 1. Color: Clear.
- B. Wood Trim and Glazing Stops: Material and finish to match frame members.
- C. Fasteners: Comply with NWWDA I.S. 3 for fabrication and with manufacturer's written recommendations and standard industry practices for type and size of galvanized or corrosion-resistant installation fasteners.
- D. Anchors, Clips, and Accessories: Provide anchors, clips, and wood-framed glass door accessories of aluminum, nonmagnetic stainless steel, or zinc-coated steel or iron complying with ASTM B 633 for SC 3 (severe) service conditions; provide sufficient strength to withstand design pressure indicated.

2.3 GLAZING

- A. Glazing System: Provide manufacturer's standard interior glazing system.

2.4 HARDWARE



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- A. General: Provide Manufacturer's standard hardware fabricated from aluminum, stainless steel, or other corrosion-resistant material compatible with door materials; designed to smoothly operate, tightly close, and securely lock wood-framed glass doors. Do not use aluminum in frictional contact with other metals.
1. Materials: Provide solid brass or bronze; extruded, cast, or wrought aluminum; solid white metal with special coating finish; or nonmagnetic stainless steel.
 2. Hinges: Provide each door leaf with not less than three sets of adjustable, ball bearing hinges made of Manufacturer's standard stainless steel.
 3. Door Pulls: Provide Manufacturer's standard brushed chrome lever handles.
 4. Locks: Provide Manufacturer's standard multi-point keyed locking device on each door leaf. The lock is to match the Owner's keying and master system.

2.5 ACCESSORIES

- A. Grilles: Provide removable grilles in design indicated, attached to inside face of each light.
1. Material: Wood.
 2. Design: Rectangular.
 3. Color: Clear

2.6 FABRICATION

- A. General: Fabricate wood-framed glass doors in sizes indicated that comply with requirements and that meet or exceed NWWDA I.S. 3 for performance requirements indicated. Include a complete system for assembling components and anchoring doors.
- B. Fabricate wood-framed glass doors that are re-glazable without dismantling panel framing.

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- C. Factory-Glazed Fabrication: Glaze wood-framed glass doors in the factory where practical and possible for applications indicated. Provide nailed or snap-on-type glazing stops, coordinated with glass and glazing system indicated. Comply with requirements in Division 8 Section "Glazing" and with NWWDA I.S. 3.
 - D. Complete fabrication, assembly, finishing, hardware application, and other work in the factory to greatest extent possible. Disassemble components only as necessary for shipment and installation. Allow for scribing, trimming, and fitting at Project site.

2.7 FINISHES

- A. Wood Finish: Provide shop-finished doors with the fabricator's standard finish consisting of prime coat and two finish coats; 3-mil (0.75-mm) dry film thickness on exposed wood.
 - 1. Color: Clear Finish.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine openings before installation. Verify that opening is correct and sill plate is level. Proceed with installation only after unsatisfactory conditions have been corrected.
 - 1. Wood Frame Walls: Dry, clean, sound and well nailed, free of voids, and without offsets at joints. Ensure that nail heads are driven flush with surfaces in the opening and within 3 inches (75 mm) of the opening.
 - 2. Coordinate door installation with built-in components.

3.2 INSTALLATION

- A. Comply with manufacturer's written instructions for installing doors, hardware, accessories, and other components.



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- B. Set doors level, plumb, and true to line, without warp or rack of frames and panels.

3.3 ADJUSTING

- A. Adjust operating panels and hardware to provide a tight fit at contact points and stripping for smooth operation. Lubricate hardware and moving parts.

3.4 CLEANING

- A. Clean interior and exterior surfaces immediately after installing. Avoid damaging protective coatings and finishes. Remove excess glazing sealants, dirt, and other substances.
- B. Clean glass of factory-glazed doors immediately after installation. Comply with manufacturer's written recommendations for final cleaning and maintenance. Remove nonpermanent labels from glass surfaces.
- C. Remove and replace glass that has been broken, chipped, cracked, abraded, or damaged during the construction period.

3.5 PROTECTION

- A. Protect wood-framed glass doors from damage or deterioration until time of Substantial Completion.

END OF SECTION 08265

